

Paper # 5
8/30/2000
OIPE

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RAW SEQUENCE LISTING DATE: 08/30/2000
PATENT APPLICATION: US/09/643,260 TIME: 14:27:40

Input Set : A:\Yu5066ul.app
Output Set: N:\CRF3\08302000\I643260.raw

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3 <110> APPLICANT: May, Michael J.
4 Ghosh, Sankar
6 <120> TITLE OF INVENTION: Inhibition of NF-kappa B Activation by Blockade of IKK
7 beta-NEMO Interactions at the NEMO Binding Domain
9 <130> FILE REFERENCE: 44574-5066-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/643,260
C--> 12 <141> CURRENT FILING DATE: 2000-08-22
14 <150> PRIOR APPLICATION NUMBER: US 60/201,261
15 <151> PRIOR FILING DATE: 2000-05-02
17 <160> NUMBER OF SEQ ID NOS: 27
19 <170> SOFTWARE: PatentIn Ver. 2.1
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23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <223> OTHER INFORMATION: NEMO binding domain (NBD) of wild type IKK beta
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38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD peptide
40 sequence
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44 1 5
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50 <213> ORGANISM: Artificial Sequence
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53 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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57 Leu Asp Ala Ser Ala Leu
58 1 5
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62 <211> LENGTH: 6
63 <212> TYPE: PRT
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66 <220> FEATURE:
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68 peptide sequence
70 <400> SEQUENCE: 4

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71 Ala Asp Trp Ser Trp Leu
72 1 5
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77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence
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81 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
82 peptide sequence
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85 Leu Asp Trp Ser Trp Ala
86 1 5
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91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
96 peptide sequence
98 <400> SEQUENCE: 6
99 Ala Asp Trp Ser Trp Ala
100 1 5
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104 <211> LENGTH: 6
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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113 Leu Ala Trp Ser Trp Leu
114 1 5
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 6
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120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
124 peptide sequence
126 <400> SEQUENCE: 8
127 Leu Glu Trp Ser Trp Leu
128 1 5
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 6
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
138 peptide sequence

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142 1 5
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151 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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156 1 5
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164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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169 Leu Asp Phe Ser Trp Leu
170 1 5
173 <210> SEQ ID NO: 12
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175 <212> TYPE: PRT
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183 Leu Asp Tyr Ser Trp Leu
184 1 5
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 6
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
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193 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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197 Leu Asp Trp Ser Ala Leu
198 1 5
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202 <211> LENGTH: 6
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204 <213> ORGANISM: Artificial Sequence
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207 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant

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Input Set : A:\Yu5066ul.app
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208 peptide sequence
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212 1 5
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221 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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226 1 5
229 <210> SEQ ID NO: 16
230 <211> LENGTH: 6
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232 <213> ORGANISM: Artificial Sequence
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235 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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239 Leu Asp Trp Ala Trp Leu
240 1 5
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 6
245 <212> TYPE: PRT
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253 Leu Asp Trp Glu Trp Leu
254 1 5
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 28
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Wild type NBD
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266 <400> SEQUENCE: 18
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268 1 5 10 15
270 Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
271 20 25
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 28
276 <212> TYPE: PRT

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277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence: Mutant NBD
281     peptide
283 <400> SEQUENCE: 19
284 Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
285     1           5          10          15
287 Lys Thr Ala Leu Asp Ala Ser Ala Leu Gln Thr Glu
288     20          25
291 <210> SEQ ID NO: 20
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293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
299 <400> SEQUENCE: 20
300 atagacgaat tcaataggca cctctggaaag
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 31
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
311 <400> SEQUENCE: 21
312 taggacacctg agctactcaa tgcaactccat g
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 36
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Forward PCR
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325 ctagtcaaat tcaccatgc gaggcacagcc aattac
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 33
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
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335     primer
337 <400> SEQUENCE: 23
338 ctagtctta gattagacat caggaggtgc tgg
341 <210> SEQ ID NO: 24
342 <211> LENGTH: 18
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence

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VERIFICATION SUMMARY DATE: 08/30/2000
PATENT APPLICATION: US/09/643,260 TIME: 14:27:41

Input Set : A:\Yu5066ul.app
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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date